

IS&R L1 1 ("3947205").PN. USPAT 2003/07/29 13:28  
 BRS L2 12 3947205.URPN. USPAT 2003/07/29 13:28  
 BRS L3 4 ("3676542" | "3770860" | "3776682" | "3807027").PN. USPAT 2003/07/29 13:28  
 BRS L4 9 4288401.URPN. USPAT 2003/07/29 13:31  
 BRS L5 10 ("2974366" | "3256564" | "3341893" | "3578735" | "3947205" | "4075266" | "4088718" | "4105736" | "4118454" | "4172875").PN. USPAT 2003/07/29 13:31  
 IS&R L6 530 ((264/550) or (264/552) or (264/554)).CCLS. USPAT; US-PGPUB; EPO; JPO; DERWENT;  
 IBM\_TDB 2003/07/29 13:34  
 BRS L7 269 6 and (blow or blown or blowing or pressure or expand or expanding or expanded) USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM\_TDB 2003/07/29 13:35  
 BRS L8 56 7 and (rim or bead) USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM\_TDB 2003/07/29 13:36  
 BRS L9 3 5683648.URPN. USPAT 2003/07/29 13:44  
 BRS L10 70 ("1531504" | "2784456" | "2823421" | "2973558" | "2990581" | "3182355" | "3244780" | "3412188" | "3439380" | "3499188" | "3532786" | "3546746" | "3606958" | "3642415" | "3662049" | "3687594" | "3739052" | "3746497" | "3757718" | "3859028" | "3995763" | "4005967" | "4025594" | "4045530" | "4108937" | "4116606" | "4177239" | "4233022" | "4239727" | "4260567" | "4264558" | "4293520" | "4298331" | "4311660" | "4315725" | "4330579" | "4358492" | "4375442" | "4379099" | "4380526" | "4381279" | "4388356" | "4405546" | "4406854" | "4420454" | "4469270" | "4476084" | "4524045" | "4563325" | "4572811" | "4582665" | "4587075" | "4589559" | "4590021" | "4697718" | "4711624" | "4810457" | "4836971" | "4878826" | "4927680" | "4933135" | "4943406" | "5067888" | "5145632" | "5178816" | "5229042" | "5248533" | "5260005" | "5261545" | "5380481").PN. USPAT 2003/07/29 13:44

US 4288401 A	USPAT 19810908	11	Thermoplastic forming process	264/550
264/554	Keith, Donald G. et al.			
US 3341893 A	USOCR 19670919	22	Apparatus for forming double thickness fins in a thin wall plastic	
container	425/310	264/296; 264/550; 264/553; 425/397; 425/399	Name not	
available				
US 5683648 A	USPAT 19971104	36	Thermoforming and heat shrinking for forming containers	
264/550	264/549; 264/909; 425/387.1; 425/398; 425/400	Fortin, John Kevin		
US 4883630 A	USPAT 19891128	15	Method for producing hollow articles of thermoplastic materials	
264/513	264/522; 264/550; 425/130; 425/387.1	Langecker, Gunter		
US 4442064 A	USPAT 19840410	10	Thermoforming and self-alignment trimming method and apparatus	
264/551	264/153; 264/321; 264/554; 425/301; 425/302.1; 425/307; 425/817R	Myers, Donald		
W. et al.				
US 3917788 A	USPAT 19751104	5	Method for manufacturing a container having a thickened lip	
264/153	264/163; 264/296; 264/550; 425/292; 425/298; 425/388	Padovani, Pietro		
US 4933135 A	USPAT 19900612	3	Method of making a blow-moulded container from a thermoplastic	
polyester, in particular pet	264/521	264/235; 264/533; 264/908	Horwege, Claus et al.	

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 | "3784038" | "3804285" | "3814417" | "3947205" | "4235579" | "4281979" | "4288401" | "4293520" | "4386044" |  
 "4409178" | "4496064" | "4534927" | "4587075" | "4591066" | "4606470" | "4665682" | "4741936" | "4856667" | "4935091"  
 | "5026338" | "5067888" | "5071029" | "5176607" | "5188249" | "5431619" | "5453237" | "5547631" | "5651933" | "5683648"  
 | "5698241" | "5718352" | "5736093" | "5762854" | "5833085" | "6062408").PN. USPAT 2003/07/29 11:25  
 IS&R L4 250 (264/521).CCLS. USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM\_TDB 2003/07/29 11:26  
 IS&R L5 49 (264/908).CCLS. USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM\_TDB 2003/07/29 11:26  
 IS&R L6 227 (264/550).CCLS. USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM\_TDB 2003/07/29 11:26  
 IS&R L7 263 (264/536).CCLS. USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM\_TDB 2003/07/29 11:26  
 BRS L8 281 4 or 5 USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM\_TDB 2003/07/29 11:26  
 BRS L9 4 6 and 8 USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM\_TDB 2003/07/29 11:28  
 BRS L10 504 6 or 8 USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM\_TDB 2003/07/29 11:28  
 BRS L11 5 7 and 10 USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM\_TDB 2003/07/29 11:31  
 BRS L12 71 10 and (lip or rim) USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM\_TDB 2003/07/29  
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 BRS L13 40 12 and (orient\$ or crystalliz\$) USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM\_TDB  
 2003/07/29 11:32  
 BRS L14 7 12 and ((lip or rim) NEAR20 (orient\$ or crystalliz\$)) USPAT; US-PGPUB; EPO; JPO;  
 DERWENT; IBM\_TDB 2003/07/29 11:35  
 BRS L15 24 12 and ((lip or rim) NEAR30 (heat or heating or heated or orient\$ or crystalliz\$)) USPAT; US-  
 PGPUB; EPO; JPO; DERWENT; IBM\_TDB 2003/07/29 11:37

US 6237791 B1 USPAT 20010529 12 Wide mouth hot fill container 215/379 215/42;  
 215/44; 264/521; 264/903 Beck, Martin H. et al.  
 US 6126886 A USPAT 20001003 11 Wide mouth hot fill container 264/521  
 264/296; 264/523; 264/532; 264/533; 264/904 Beck, Martin H. et al.  
 US 5833085 A USPAT 19981110 6 Preform and closure for blow molded articles 215/44  
 215/335; 215/43; 215/45 Valyi, Emery I.  
 US 5762854 A USPAT 19980609 10 Compression molding process 264/255  
 264/296; 264/297.5; 264/323; 425/393; 425/400; 425/414 Valyi, Emery I.  
 US 5736093 A USPAT 19980407 9 Method for making a multi-layer blow molded container  
 264/513 264/135 Slat, William A.  
 US 5718352 A USPAT 19980217 23 Threaded aluminum cans and methods of manufacture  
 220/669 215/44; 220/288; 220/604; 220/906 Diekhoff, Hans H. et al.  
 US 5651933 A USPAT 19970729 9 Method for making multi-layer preform used for plastic blow  
 molding 264/250 264/259; 264/511; 264/513; 428/35.7; 428/36.6; 428/542.8; 428/903.3  
 Slat, William A. et al.  
 US 5466413 A USPAT 19951114 9 Method and apparatus for blow molding a plastic drinking vessel  
 264/521 264/533; 264/534; 264/536; 425/525; 425/526; 425/527 Richter, Simon J. et al.  
 US 5188249 A USPAT 19930223 8 Plastic bottle having a linerless closure with collapsible flange and  
 method 215/390 215/341; 215/342; 215/44; 215/45; 220/304; 222/109; 222/111; 222/570  
 Cargile, David W.  
 US 4856667 A USPAT 19890815 9 Container and cap 215/318 215/337; 215/344;  
 215/45; 215/DIG.1 Thompson, Mortimer S.  
 US 4606470 A USPAT 19860819 5 Spin fusion method and container made therefrom  
 215/232 156/69; 215/43; 215/45 Barlics, John J.  
 US 4534927 A USPAT 19850813 23 Method and apparatus for manufacturing cups having a lip  
 264/321 264/285; 264/295; 264/296; 264/339; 264/DIG.4; 425/383; 425/385; 425/398; 425/817R  
 Morioka, Kazumasa et al.

US 4409178 A	USPAT 19831011	7	Formation of beaded edges on plastics materials articles	
264/544	264/153; 264/163; 264/550; 264/551; 264/553; 425/292; 425/298; 425/305.1			Ward, Peter
US 4386044 A	USPAT 19830531	6	Method of forming a cup-like container	264/230
264/296; 264/321; 264/342R; 264/DIG.66			Arndt, Carl et al.	
US 4293520 A	USPAT 19811006	7	Process for molding parison for making stretch molded bottle	
264/513	264/138; 264/250; 264/259; 264/516; 264/535; 264/544; 264/553			Akutsu, Masao
US 3947205 A	USPAT 19760330	9	Apparatus for forming non-nestable containers	
425/529	264/521; 264/526; 264/535; 264/550; 264/571; 425/388			Edwards, Bryant
US 3804285 A	USPAT 19740416	4	BOTTLE WITH POUROUT NECK	215/337
215/341; 215/41; 215/44; 215/45			Kraas, John N. et al.	
US 3784038 A	USPAT 19740108	15	PLASTIC BOTTLE MANUFACTURE	215/44 215/45
Uhlig, Albert R.				
US 3612326 A	USPAT 19711012	6	EXTENSION SEAL FOR A PLASTIC CONTAINER	
215/329	215/341; 215/44; 215/45		Marks, Raymond H.	
US 3561668 A	USPAT 19710209	6	SEALED PACKAGE	229/123.1 215/227;
215/232; 215/273; 220/257.1; 220/257.2; 220/359.1; 220/359.4; 229/120.32; 229/125.05; 229/125.35; 426/124; 426/396	Bergstrom, Roger C.			
US 3552634 A	USPAT 19710105	7	CONTAINERS	229/123.1 215/232; 215/273;
215/302; 220/257.2; 229/125.05; 426/124; 426/396			Ollier, Jacques Honore Gaspard et al.	
US 3349989 A	USPAT 19671031	4	TEXT NOT AVAILABLE	229/125.08 229/120.32;
229/123.1; 229/125.35	Name not available			
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US 3032225 A	USPAT 19620501	4	TEXT NOT AVAILABLE	215/44 215/250; 215/277;
215/329; 215/342; 215/354; 215/45	Name not available			
US 2425390 A	USOCR 19470812	5	Forming flanged or beaded containers	264/153
264/292; 264/295; 425/292; 72/350			Name not available	